The American Board of Orthopaedic Surgery
Web-Based Longitudinal Assessment
ABOS WLA

2023 Knowledge Sources
2023 ABOS Required Knowledge Source

1. **Electronic Patient-Reported Outcome Collection Systems in Orthopaedic Clinical Practice**  
   Lizzio V, Dekhne M, Makhni E  

2022 ABOS Required Knowledge Source

1. **Diagnosis and Treatment of Osteoporosis: What Orthopaedic Surgeons Need to Know.**  
   Matzkin E, DeMaio M, Charles J, Franklin C.  

2021 ABOS Required Knowledge Source

1. **Leadership, Communication, and Negotiation Across a Diverse Workforce: An AOA Critical Issues Symposium.**  
   Clohisy D, Yaszemski M, Lipman J.  
General Principles

1. **Notable Variability in Opioid-prescribing Practices After Common Orthopaedic Procedures.**
   Traven S, Brinton D, Woolf S, Leddy L, Gottschalk M, Slone H.

2. **Shared Decision-making in Orthopaedic Surgery.**
   Wilson C, Probe R.

3. **The Role of Mentoring in the Development of Successful Orthopaedic Surgeons.**
   Mulcahey M, Waterman B, Hart R, Daniels A.

4. **Social Media Use for Orthopaedic Surgeons.**
   Jildeh T, Okoroha K, Guthrie S, Parsons T 3rd.

5. **Orthopaedic Surgeon Burnout: Diagnosis, Treatment, and Prevention.**
   Daniels A, DePasse J, Kamal R.

6. **Potential Consequences of Patient Complications for Surgeon Well-being: A Systematic Review.**
   Srinivasa S, Gurney J, Koea J.

7. **Orthopaedics, Ethics, and Industry. Appropriateness of Gifts, Grants, and Awards.**
   Lubahn J, Mankin C, Mankin H, Kuhn P.

8. **Occupational Hazards for the Practicing Orthopaedic Surgeon: A Standard Review.**
   Patel K, Judd H, Harm R, Spanyer J.

9. **Understanding Penicillin Allergy, Cross-reactivity, and Antibiotic Selection in the Preoperative Setting.**
   Sarfani S, Stone Jr C, Murphy G, Richardson D.
10. What's Important: A Rallying Call for Nonsteroidal Anti-Inflammatory Drugs in Musculoskeletal Pain: Improving Value of Care While Combating the Opioid Epidemic.
   Hung C, Riggan N, Hunt 3rd T, Halawi M.

11. Update on the Comprehensive Approach to Fragility Fractures.
   Cohn M, Gianakos A, Grueter K, Rosen N, Cong G, Lane J.
   J Orthop Trauma. 2018 Sep;32(9):480-490.


13. Optimizing the Orthopaedic Consult.
   Shirley E, Nevins C.

   Gerull K, Salles A, Porter S, Braman J.

15. Improving Sexual, Racial, and Ethnic Diversity in Orthopedics: An Imperative.
   Lin J, Lattanza L, Weber K, Samora J.
   Orthopedics. 2020 May 1;43(3):e134-e140.
General Orthopaedics

1. **Tumors of the Hand and the Wrist.**
   Strike S, Puhaindran M.

2. **Preoperative Management of Antithrombotics in Arthroplasty.**
   Barlow B, Hannon M, Waldron J.

3. **Popliteal Cysts: A Systematic Review of Nonoperative and Operative Treatment.**
   Van Nest D, Tjoumakaris F, Smith B, Beatty T, Freedman K.

4. **Emerging Options for Biologic Enhancement of Stress Fracture Healing in Athletes.**
   Miller T, Kaeding C, Rodeo S.

5. **Racial Disparities Are Present in the Timing of Radiographic Assessment and Surgical Treatment of Hip Fractures.**

6. **Complications of Superior Capsule Reconstruction for the Treatment of Functionally Irreparable Rotator Cuff Tears (FIRCTs): A Systematic Review.**
   Sommer M, Wagner E, Zhu S, McRae S, McDonald P, Ogborn D, Woodmass J.
   Arthroscopy. 2021 Sep;37(9):2960-2972.

7. **Multimodal Nonopioid Pain Protocol Provides Equivalent Pain Versus Opioid Control Following Meniscus Surgery: A Prospective Randomized Controlled Trial.**
   Jildeh T, Okoroha K, Kuhlmann N, Cross A, Abbas M, Moutzouros V.

8. **Undergoing an Arthroscopic Procedure Prior to Shoulder Arthroplasty is Associated With Greater Risk of Prosthetic Joint Infection.**

9. **Tourniquet Use Does Not Affect Functional Outcomes or Pain After Total Knee Arthroplasty: A Prospective, Double-Blinded, Randomized Controlled Trial.**
   Goel R, Rondon A, Sydnor K, Bievins K, O’Malley M, Purtill J, Austin M.

Liu C, Brinkmann C, Chou S, Arias K, Cooper L, Javedan H, Iorio R, Chen A.
JBJS Rev. 2021 Dec 15;9(12)

12. The Effect of Perioperative Biologic Disease-Modifying Anti-Rheumatic Drugs on the Risk of Postoperative Complications: Surgical Site Infection, Delayed Wound Healing, and Disease Flares Following Orthopaedic Surgical Procedures.
J Bone Joint Surg Am. 2022 Jun 15;104(12):1116-1126

13. No Difference in Functional, Radiographic, and Survivorship Outcomes Between Direct Anterior or Posterior Approach THA: 5-Year Results of a Randomized Trial.
Clin Orthop Relat Res. 2021 Dec 1;479(12):2621-2629.

14. 2021 John Charnley Award: A protocol-based strategy when using hemiarthroplasty or total hip arthroplasty for femoral neck fractures decreases mortality, length of stay, and complications.
Roberts H, Barry J, Nguyen K, Vail T, Kandemir U, Rogers S, Ward D.

15. Adult Acquired Flatfoot Deformity.
Jackson 3rd J, Pacana M, Gonzalez T.

Lee B, Patel V, Itamura J.

Bernstein E, Kelsey T, Cochran G, Deafenbaugh B, Kuhn K.

Ike H, Dorr L, Trasolini N, Stefl M, McKnight B, Heckmann N.
19. Tranexamic Acid Administration in Arthroscopic Surgery Is a Safe Adjunct to Decrease Postoperative Pain and Swelling: A Systematic Review and Meta-analysis.
   Goldstein K, Jones C, Kay J, Shin J, de Sa D.
   Arthroscopy, Volume 38, Issue 4, 1366 - 1377.e9

20. Complications of Hardware Removal
    Kellam P, Harrast J, Weinberg M, Martin D, Davidson N.
Adult Reconstruction

1. Perioperative Use of Gabapentinoids for the Management of Postoperative Acute Pain: A Systematic Review and Meta-analysis

2. Tranexamic Acid Reduces the Rate of Periprosthetic Joint Infection After Aseptic Revision Arthroplasty.
   Klement M, Padua F, Li W, Detweiler M, Parvizi J.

3. Does Robotic-assisted TKA Result in Better Outcome Scores or Long-Term Survivorship Than Conventional TKA? A Randomized, Controlled Trial.
   Kim Y, Yoon S, Park J.


5. The Mark Coventry, MD, Award: Oral Antibiotics Reduce Reinfection After Two-Stage Exchange: A Multicenter, Randomized Controlled Trial.

6. Musculoskeletal Health Literacy is Associated With Outcome and Satisfaction of Total Knee Arthroplasty.
   Narayanan A, Stoll K, Pratson L, Lin F, Olcott C, Del Gaizo D.

8. **Incidence and Predictive Risk Factors of Postoperative Urinary Retention After Primary Total Knee Arthroplasty.**
   Bracey D, Hegde V, Pollet A, Johnson R, Jennings J, Miner T.

9. **Tranexamic Acid Is Safe in Patients with a History of Coronary Artery Disease Undergoing Total Joint Arthroplasty.**
   Zak S, Tang A, Sharan M, Waren D, Rozell J, Schwarzkopf R.

10. **The Lawrence D. Dorr Surgical Techniques & Technologies Award: Using Big Heads and Small Acetabular Components With Highly Cross-Linked Polyethylene in Total Hip Arthroplasty: Is It Safe?**
    Baker C, Bukowski B, Abdel M, Trousdale R.

11. **2021 Otto Aufranc Award: A simple Hip-Spine Classification for total hip arthroplasty: validation and a large multicentre series.**

12. **Is the French Paradox cementing philosophy superior to the standard cementing? A randomized controlled radiostereometric trial and comparative analysis.**
    Sevaldsen K, Husby O, Lian O, Farran K, Husby V.

13. **Creation of a Total Hip Arthroplasty Patient-Specific Dislocation Risk Calculator.**

14. **Revisiting Cemented Femoral Fixation in Hip Arthroplasty.**
    Khanuja HS, Mekkawy KL, MacMahon A, McDaniel CM, Allen DA, Moskal JT.

15. **Intraoperative pressure sensors improve soft-tissue balance but not clinical outcomes in total knee arthroplasty: a multicentre randomized controlled trial.**
    MacDessi S, Wood J, Diwan A, Harris I; SENSOR BALANCE Study Group.

16. **What Is the Impact of Body Mass Index Cutoffs on Total Hip Arthroplasty Complications?**
    DeMik DE, Kohler JG, Carender CN, Glass NA, Brown TS, Bedard NA.
    J Arthroplasty. 2022 Jul;37(7):1320-1325.e1
17. **Robotic arm-assisted versus conventional medial unicompartmental knee arthroplasty: five-year clinical outcomes of a randomized controlled trial.**
   Banger M, Doonan J, Rowe P, Jones B, MacLean A, Blyth M.

18. **2021 Chitranjan S. Ranawat Award: Intraosseous vancomycin reduces periprosthetic joint infection in primary total knee arthroplasty at 90-day follow-up.**
   Park K, Chapleau J, Sullivan T, Clyburn T, Incavo S.

19. **Spinopelvic Biomechanics and Total Hip Arthroplasty: A Primer for Clinical Practice.**
    Heckmann N, Lieberman J.

20. **Duloxetine Reduces Pain and Improves Quality of Recovery Following Total Knee Arthroplasty in Centrally Sensitized Patients: A Prospective, Randomized Controlled Study.**
    Koh I, Kim M, Sohn S, Sohn K, Choi N, In Y.
Foot and Ankle

1. **Effect of High-Volume Injection, Platelet-Rich Plasma, and Sham Treatment in Chronic Midportion Achilles Tendinopathy: A Randomized Double-Blinded Prospective Study**

2. **The Ruptured Achilles Tendon Elongates for 6 Months After Surgical Repair Regardless of Early or Late Weightbearing in Combination With Ankle Mobilization: A Randomized Clinical Trial**

3. **Posterior Malleolar Ankle Fractures: An Effort at Improving Outcomes.**
   Mason L, Kaye A, Widnall J, Redfern J, Molloy A.

4. **Peroneal Tendon Abnormalities on Routine Magnetic Resonance Imaging of the Foot and Ankle.**
   O'Neil J, Pedowitz D, Kerbel Y, Codd ing J, Zoga A, Raikin S.

5. **Improved Reduction of the Tibiofibular Syndesmosis With TightRope Compared With Screw Fixation: Results of a Randomized Controlled Study.**
   Sanders D, Schneider P, Taylor M, Tieszer C, Lawendy AR, Canadian Orthopaedic Trauma Society.

6. **Patient-Reported and Radiographic Outcomes of Joint-Preserving Surgery for Rheumatoid Forefoot Deformities: A Retrospective Case Series with Mean Follow-up of 6 Years.**
   Yano K, Ikari K, Tobimatsu H, Okazaki K.

7. **Titrating the Amount of Bony Correction in Progressive Collapsing Foot Deformity.**
   Ellis S, Johnson J, Day J, Netto C, Deland J, Hintermann B, Myerson M, Schon L, Thordarson D, Sangeorzan B.
   Foot Ankle Int. 2020 Oct;41(10):1292-1295.

8. **Gunshot-Related Injuries to the Foot & Ankle: Review Article.**
   Foot Ankle Int. 2020 Apr;41(4):486-496.
9. **Negative-Pressure Wound Therapy in Foot and Ankle Surgery.**
   Kunze K, Hamid K, Lee S, Halvorson J, Earhart J, Bohl D.

10. **Lesser Toe PIP Joint Resection Versus PIP Joint Fusion: A Randomized Clinical Trial.**
    Foot Ankle Int. 2016 Jun;37(6):569-75.

11. **Recommendations from the ICM-VTE: Foot & Ankle.**
    The ICM-VTE Foot & Ankle Delegates
    J Bone Joint Surg Am 2022; 104 Suppl 1:163-75

12. **Hard-Soled Shoe Versus Short Leg Cast for a Fifth Metatarsal Base Avulsion Fracture - a multicentered, noninferiority, randomized controlled trial.**

13. **A primer on running for the orthopaedic surgeon.**
    Spiker M, Johnson KB, Cosgarea AJ, Ficke JR.


15. **Functional outcome of routine versus on-demand removal of the syndesmotic screw: a multicentre randomized controlled trial.**
    Sanders FRK, Birnie MF, Dingemans SA, van den Bekerom MPJ, Parkkinnen M, van Veen RN; RODEO collaborator group, Goslings JC, Schepers T.

16. **Weight-bearing CT Scans in Foot and Ankle Surgery.**
    Conti M, Ellis S.

17. **Outcomes of Total Ankle Replacement, Arthroscopic Ankle Arthrodesis, and Open Ankle Arthrodesis for Isolated Non-Deformed End-Stage Ankle Arthritis.**
    Veljikovic AN, Daniels TR, Glazebrook MA, Dryden PJ, Penner MJ, Wing KJ, Younger ASE.
18. Reoperation Profile of Lateral vs Anterior Approach Ankle Arthroplasty.
   Gagne O, Penner M, Wing K, Veljkovic A, Younger A.
   Foot Ankle Int. 2020 Jul;41(7):834-838.

   Arshad Z, Aslam A, Razzaq MA, Bhatia M.

20. Allograft Interposition Bone Graft for First Metatarsal Phalangeal Arthrodesis: Salvage After
    Bone Loss and Shortening of the First Ray.
    Burke J, Shi G, Wilke B, Whalen J.
Oncology

1. Planning for Bone Excision in Ewing Sarcoma: Post-Chemotherapy MRI More Accurate Than Pre-Chemotherapy MRI Assessment.

2. Proximal Tibial Resections and Reconstructions: Clinical Outcome of 225 Patients
   Mavrogenis A, Pala E, Angelini A, Ferraro A, Ruggieri P.

3. Use of Imaging Prior to Referral to a Musculoskeletal Oncologist.
   Miller, B.

   Tap W, Gelderblom H, Palmerini E, Desai J, Bauer S, Blay JY.

5. What Is the Clinical Importance of Incidental Findings on Staging CT Scans in Patients With Sarcoma?
   Mayo Z, Kennedy S, Gao Y, Miller B.

6. What Is the Comparative Ability of 18F-FDG PET/CT, 99mTc-MDP Skeletal Scintigraphy, and Whole-body MRI as a Staging Investigation to Detect Skeletal Metastases in Patients with Osteosarcoma and Ewing Sarcoma?
   Aryal A, Kumar V, Shamim S, Gamanagatti S, Khan S.

7. Is Surgical Resection of the Primary Site Associated with an Improved Overall Survival for Patients with Primary Malignant Bone Tumors Who Have Metastatic Disease at Presentation?

8. Does Advanced Imaging Have a Role in Detecting Local Recurrence of Soft-tissue Sarcoma?
   England P, Hong Z, Rhea L, Hirbe A, McDonald D, Cipriano C.
   Haase D, Templeton K, Rosenthal H, Sweeney K.

10. Minimally Invasive Stabilization with or without Ablation for Metastatic Periacetabular Tumors.
    English D, Lea W, King D, Tutton S, Neilson J.

11. Is the Number of National Database Research Studies in Musculoskeletal Sarcoma Increasing, and Are These Studies Reliable?

    Fujiwara T, Ogura K, Alaeeqel M, Healey J.


    Sabharwal S, Alcorn S, Morris C.
    JBJS Rev. 2021 Aug 20;9(8).

15. Recommendations from the ICM-VTE: Oncology.
    The ICM-VTE Oncology Delegates.

17. **Musculoskeletal Metastasis From Soft-tissue Sarcomas: A Review of the Literature.**
   Pretell-Mazzini J, Seldon CS, D'Amato G, Subhawong TK.

18. **Percutaneous Screw Stabilization of Non-Periacetabular Pelvic Lesions Caused by Metastatic Cancer and Multiple Myeloma.**

19. **What Factors Are Associated With Local Metastatic Lesion Progression After Intramedullary Nail Stabilization?**
   Arpornsuksant P, Morris C, Forsberg J, Levin A.
   Clin Orthop Relat Res. 2022 May 1;480(5):932-945

20. **Prophylactic Antibiotic Regimens In Tumor Surgery (PARITY): a multi-center randomized controlled study comparing alternative antibiotic regimens in patients undergoing tumor resections with endoprosthetic replacements-a statistical analysis plan.**
   Trials. 2021 Mar 22;22(1):223
Orthopaedic Sports Medicine

1. **Cell Therapy in Orthopaedics: Where Are We in 2019?**
   Rodeo A.

2. **Meniscus Repair Does Not Result in an Inferior Short-term Outcome Compared With Meniscus Resection: An Analysis of 5,378 Patients With Primary Anterior Cruciate Ligament Reconstruction.**
   Arthroscopy. 2020 Apr;36(4):1145-1153.

3. **Opioid Consumption After Rotator Cuff Repair.**

4. **Does Distal Clavicle Resection Decrease Pain or Improve Shoulder Function in Patients with Acromioclavicular Joint Arthritis and Rotator Cuff Tears? A Meta-analysis.**
   Wang J, Ma JX, Zhu SW, Jia HB, Ma XL.

5. **Hamstring Autograft versus Patellar Tendon Autograft for ACL Reconstruction: Is There a Difference in Graft Failure Rate? A Meta-analysis of 47,613 Patients.**
   Samuelsen B, Webster K, Johnson N, Hewett T, Krych A.

6. **Timing of Anterior Cruciate Ligament Reconstruction and Relationship With Meniscal Tears: A Systematic Review and Meta-analysis.**
   Prodromidis A, Drosatou C, Thivaios G, Zreik N, Charalambous C.

7. **Platelet-Rich Plasma Versus Hyaluronic Acid in the Treatment of Knee Osteoarthritis: A Meta-analysis of 26 Randomized Controlled Trials.**
   Tan J, Chen H, Zhao L, Huang W.

8. **Primary Arthroscopic Stabilization for a First-Time Anterior Dislocation of the Shoulder. Long-Term Follow-up of a Randomized, Double-Blinded Trial.**
   Yapp L, Nicholson J, Robinson C.
9. **Long Head of Biceps Tenotomy Is Not Inferior to Suprapectoral Tenodesis in Arthroscopic Repair of Nontraumatic Rotator Cuff Tears: A Multicenter, Non-inferiority, Randomized, Controlled Clinical Trial.**


10. **Return to Sport after Pediatric Anterior Cruciate Ligament Reconstruction and its Effect on Subsequent Anterior Cruciate Ligament Injury.**

Dekker T, Godin J, Dale K, Garrett W, Taylor D, Riboh J.


11. **Bridge-Enhanced Anterior Cruciate Ligament Repair Is Not Inferior to Autograft Anterior Cruciate Ligament Reconstruction at 2 Years: Results of a Prospective Randomized Clinical Trial.**


12. **Clinical Outcomes, Survivorship, and Return to Sport After Arthroscopic Capsular Repair With Suture Anchors for Adolescent Multidirectional Shoulder Instability: Results at 6-Year Follow-up.**


13. **Better Outcomes but No Difference in Joint Space Narrowing at Five Years Among Patients Without Unstable Chondral Lesions Versus Those With Unstable Chondral Lesions (Left In Situ) at the Time of Arthroscopic Partial Meniscectomy.**


14. **Traumatic Glenohumeral Dislocation in Pediatric Patients is Associated With a High Risk of Recurrent Instability.**

Yapp LZ, Baxendale-Smith L, Nicholson JA, Gaston MS, Robinson CM.


15. **Minimum 5-Year Outcomes after primary segmental labral reconstruction for irreparable labral tears in the hip with hamstring grafts: With a subanalysis comparing autograft versus allograft.**

Maldonado DR, Kyin C, Simpson JR, Annin S, Jimenez AE, Saks BR, Lall AC, Domb BG.

16. **Humeral Avulsion of the Glenohumeral Ligament: Diagnosis and Management.**  
   Krueger VS, Shigley C, Bokshan SL, Owens BD.  
   JBJS Rev. 2022 Feb 3;10(2).

17. **Anterior Cruciate Ligament Reconstruction Recovery and Rehabilitation, A Systematic Review.**  
   Glattke KE, Tummala SV, Chhabra A.  

18. **What Is the Failure Rate After Arthroscopic Repair of Bucket-Handle Meniscal Tears? A Systematic Review and Meta-analysis.**  

19. **Anterior Cruciate Ligament Reconstruction Alone Versus With Lateral Extra-articular Tenodesis With Minimum 2-Year Follow-up: A Meta-analysis and Systematic Review of Randomized Controlled Trials.**  
   Onggo JR, Rasaratnam H, Nambiar M, Onggo JD, Pai V, Damasena I, Riazi A, Babazadeh S.  

20. **Shoulder Latarjet Surgery Shows Wide Variation in Reported Indications, Techniques, Perioperative Treatment, and Definition of Outcomes, Complications, and Failure: A Systematic Review.**  
Orthopaedic Trauma

1. **Long-Term Survival of the Native Hip After a Minimally Displaced, Nonoperatively Treated Acetabular Fracture.**
   Clarke-Jenssen J, Wikeroy A, Roise O, Ovre S, Madsen JE.

2. **Time to Surgery and Patient Mortality in Geriatric Acetabular Fractures.**
   Glogovac G, Toan T, Archdeacon M.

   Tornetta P, Yakavonis M, Veltre D, Shah A.

4. **Operative Versus Nonoperative Treatment of Proximal Humeral Fractures: A Systematic Review, Meta-Analysis, and Comparison of Observational Studies and Randomized Controlled Trials.**

5. **Effect of Surgery vs Functional Bracing on Functional Outcome Among Patients With Closed Displaced Humeral Shaft Fractures: The FISH Randomized Clinical Trial.**
   JAMA. 2020 May 12;323(18):1792-1801.

6. **Diagnosing Fracture-Related Infection: Current Concepts and Recommendations.**

7. **Unnecessary Preoperative Cardiology Evaluation and Transthoracic Echocardiogram Delays Time to Surgery for Geriatric Hip Fractures.**

8. **Posterior Malleolar Fractures: A Critical Analysis Review.**
   Rammelt S, Bartonícek J.
   JBJS Reviews August 2020;8(8):e19.00207
9. **Total Elbow Arthroplasty for Distal Humerus Fractures Provided Similar Outcomes When Performed as a Primary Procedure or After Failed Internal Fixation.**
   Logli A, Shannon S, Boe C, Morrey M, O’Driscoll S, Sanchez-Sotelo J.

10. **Impact of the Fascia Iliaca Block on Pain, Opioid Consumption, and Ambulation for Patients With Hip Fractures: A Prospective, Randomized Study.**
    Schulte S, Fernandez I, Van Tienderen R, Reich M, Adler A, Nguyen M.

11. **Prospective Randomized Trial on Smoking Cessation in Orthopaedic Trauma Patients: Results From the Let’s STOP (Smoking in Trauma Orthopaedic Patients) Now Trial.**
    Matuszewski PE, Joseph K, O’Hara NN, DiClemente C, O’Toole RV
    Journal of Orthopaedic Trauma: July 2021 - Volume 35 - Issue 7 - p 345-351

12. **Predictors of Improved Early Clinical Outcomes After Elective Implant Removal, Journal of Orthopaedic Trauma.**
    Kempton LB, Gaski GE, Brown K, McKinley TO, Virkus WW.

13. **Admission Hyperglycemia Is a Risk Factor for Deep Surgical-Site Infection in Orthopaedic Trauma Patients.**
    Anderson BM, Wise BT, Joshi M, Castillo R, O’Toole RV, Richards JE.

    Chen MJ, Campbell ST, Finlay AK, Duckworth AD, Bishop JA, Gardner MJ.

15. **Comparison of 24-month outcomes after treatment for distal radius fracture. The WRIST Randomized clinical trial.**
    Chung KC, Kim HM, Malay S, Shauver MJ; WRIST Group.

16. **Timing of Flap Coverage With Respect to Definitive Fixation in Open Tibia Fractures.**
17. **Optimal Technical Factors During Operative Management of Low-Energy Femoral Neck Fractures.**
   Schottel PC, Blankstein M, Sprague S, Swiontkowski M, Bzovsky S, Bhandari M, Schemitsch EH; FAITH Investigators.

18. **Distal Femur Replacement Versus Surgical Fixation for the Treatment of Geriatric Distal Femur Fractures: A Systematic Review.**

19. **Catastrophic Thinking and Pain Alleviation After Lower Extremity Surgery.**
   Nunziato C, Fatehi A, Driscoll M, Koenig K, Ring D, Laverty D.

20. **Comparison of Infrapatellar and Suprapatellar Approaches for Intramedullary Nail Fixation of Tibia Fractures.**
   Metcalf KB, Du JY, Lapite IO, Wetzel RJ, Sontich JK, Dachenhaus ER, Janes JL, Ochenjele G.
**Pediatric Orthopaedics**

1. **The Role of the Orthopaedic Surgeon in the Identification and Management of Nonaccidental Trauma.**
   Ranade S, Allen A, Deutsch S.

2. **Pediatric Gartland Type-IV Supracondylar Humeral Fractures Have Substantial Overlap With Flexion-Type Fractures.**
   Mitchell S, Sullivan B, Ho C, Abzug J, Raad M, Sponseller P.

3. **Understanding Skeletal Growth and Predicting Limb-Length Inequality in Pediatric Patients.**
   Hubbard E, Liu R, Lobst C.

4. **Rebound Deformity After Growth Modulation in Patients With Coronal Plane Angular Deformities About the Knee: Who Gets It and How Much?**
   Leveille L, Razi O, Johnston C.

5. **When Should We Wean Bracing for Adolescent Idiopathic Scoliosis?**
   Cheung J, Cheung P, Luk K.

6. **Postoperative Dexamethasone Following Posterior Spinal Fusion for Adolescent Idiopathic Scoliosis.**
   Fletcher N, Ruska T, Austin T, Guisse N, Murphy J, Bruce Jr, R.

7. **Flexion-Type Supracondylar Humeral Fractures: Ulnar Nerve Injury Increases Risk of Open Reduction.**

8. **Current Concepts in Pediatric Septic Arthritis.**
   Erkilinc M, Gilmore A, Weber M, Mistovich R.
9. **Four Risk Factors for Arthrofibrosis in Tibial Spine Fractures: A National 10-Site Multicenter Study.**

10. **Does Shorter Time to Treatment of Pediatric Femur Shaft Fractures Impact Clinical Outcomes?**
    Grauberger J, O'Byrne M, Stans A, Shaughnessy W, Larson A, Milbrandt T.

11. **Transphyseal Distal Humeral Fractures. A 13-Times-Greater Risk of Non-Accidental Trauma Compared with Supracondylar Humeral Fractures in Children Less Than 3 Years of Age.**
    Crowe M, Byerly L, Mehlman CT.

12. **A Multicenter Comparison of Open Versus Arthroscopic Fixation for Pediatric Tibial Spine Fractures.**

13. **Cast Saw Burn Prevention: An Evidence-Based Review.**
    Larson JE, Nicolay RW

14. **Halter Traction for the Treatment of Atlantoaxial Rotatory Fixation.**
    Yeung CY, Feng CK.
    J Bone Joint Surg Am. 2022 Feb 2;104(3):229-238.

15. **Predictive Algorithms in the Diagnosis and Management of Pediatric Hip and Periarticular Infection.**
    Hunter S, Kioa G, Baker JF.

16. **A Clinical Risk Model for Surgical Site Infection Following Pediatric Spine Deformity Surgery.**
17. A Prospective, Median 15-Year Comparison of Ponseti Casting and Surgical Treatment of Clubfoot.
   Recordon JAF, Halanski MA, Boocock MG, McNair PJ, Stott NS, Crawford HA.

18. Factors Affecting Slip Progression After In Situ Screw Fixation of Stable Slipped Capital Femoral Epiphysis.
   Makarewich CA, Wait ES, Fedorak GT, MacWilliams BA.

   Gurusamy P, Pedowitz JM, Carroll AN, Johnson K, Chambers HG, Edmonds EW, Pennock AT.

20. Prospective Evaluation of Tarsal Coalition Excision Show Significant Improvements in Pain and Function.
   Mahan ST, Miller PE, Kasser JR, Spencer SA.
Shoulder and Elbow

1. At a 10-Year Follow-up, Tendon Repair Is Superior to Physiotherapy in the Treatment of Small and Medium-Sized Rotator Cuff Tears.


3. Clinical and Structural Outcome 20 Years After Repair of Massive Rotator Cuff Tears.

4. Biceps Tenodesis Versus Tenotomy in the Treatment of Lesions of the Long Head of the Biceps Tendon in Patients Undergoing Arthroscopic Shoulder Surgery: A Prospective Double-Blinded Randomized Controlled Trial

5. Early Results of Augmented Anatomic Glenoid Components.
   Priddy M, Zarezadeh A, Farmer K, Struk A, King J, Wright T, Schoch B.

   Goudie E, Robinson C.

7. Are there racial differences between patients undergoing surgery for shoulder instability? Data from the Multicenter Orthopaedic Outcomes Network (MOON) Shoulder Instability Group.
   Hettrich C, Zacharias A, Ortiz S, Westgate P, MOON Shoulder Group; Wolf B, Jacobs C.
8. Arthroscopic Bankart repair with and without arthroscopic infraspinatus remplissage in anterior shoulder instability with a Hill-Sachs defect: a randomized controlled trial. 

9. Preoperative opioid use is an independent risk factor for complication, revision, and increased health care utilization following primary total shoulder arthroplasty. 
Wilson J, Farley K, Gottschalk M, Daly C, Wagner E. 

10. Operative versus non-operative treatment for isolated Mason type 2 radial head fractures: a multicenter randomized controlled trial. 

Balazs, G. 
JBJS 103(22), 17 November 2021, p 2144-2144


13. Consensus statement on the treatment of massive irreparable rotator cuff tears: a Delphi approach by the Neer Circle of the American Shoulder and Elbow Surgeons. 

14. Primary Arthroscopic Stabilization for a First-Time Anterior Dislocation of the Shoulder: Long-Term Follow-up of a Randomized, Double-Blinded Trial. 
Yapp LZ, Nicholson JA, Robinson CM. 
15. Reverse Shoulder Arthroplasty Is Superior to Plate Fixation at 2 Years for Displaced Proximal Humeral Fractures in the Elderly: A Multicenter Randomized Controlled Trial.

16. What Do We Know About Shoulder Injury Related to Vaccine Administration? An Updated Systematic Review.
MacMahon A, Nayar SK, Srikumaran U.
Clin Orthop Relat Res. 2022 Jul 1;480(7):1241-1250.

17. A Comparison of Revision Rates for Osteoarthritis of Primary Reverse Total Shoulder Arthroplasty to Primary Anatomic Shoulder Arthroplasty with a Cemented All-polyethylene Glenoid: Analysis from the Australian Orthopaedic Association National Joint Replacement Registry.
Gill DRJ, Page BMedSci RS, Graves SE, Rainbird S, Hatton A.

Dillon MT, Prentice HA, Burfeind WE, Singh A.

19. Muscle Tendon Transfers Around the Shoulder: Diagnosis, Treatment, Surgical Techniques, and Outcomes.

20. Antibiotic Prophylaxis with Cefazolin Is Associated with Lower Shoulder Periprosthetic Joint Infection Rates Than Non-Cefazolin Alternatives.
Marigi EM, Bartels DW, Yoon JH, Sperling JW, Sanchez-Sotelo J.
1. **Complexities of Spine Surgery in Obese Patient Populations: A Narrative Review.**
   Katsevman G, Daffiner S, Brandmeir N, Emery S, France J, Sedney C.

   Sebastian A, Huddleston P, Kakar S, Habermann E, Wagie A, Nassr A.

3. **Predicting Survival for Metastatic Spine Disease: A Comparison of Nine Scoring Systems.**

4. **Effects of Bracing on Clinical and Radiographic Outcomes Following Thoracolumbar Burst Fractures in Neurologically Intact Patients: A Meta-Analysis of Randomized Controlled Trials.**
   Wallace N, McHugh M, Patel R, Aleem I.
   JBJS Rev. 2019 Sep;7(9):e9.

5. **The Impact of Prophylactic Intraoperative Vancomycin Powder on Microbial Profile, Antibiotic Regimen, Length of Stay, and Reoperation Rate in Elective Spine Surgery.**
   Grabel Z, Boden A, Segal D, Boden S, Milby A, Heller J.


7. **An Analysis of the Incidence and Outcomes of Major Versus Minor Neurological Decline After Complex Adult Spinal Deformity Surgery: A Subanalysis of Scoli-RISK-1 Study.**
Premkumar A, Godfrey W, Gottschalk MB, Boden SD.  

Schoenfeld AJ, Belmont PJ Jr, Blucher JA, Jiang W, Chaudhary MA, Koehlmoos T, Kang JD, Haider AH.  

10. Do Preoperative Epidural Steroid Injections Increase the Risk of Infection After Lumbar Spine Surgery?  

Carreon LY, Glassman SD, Lurie J, Shaffrey CI, Kelly MP, Baldus CR, Bratcher KR, Crawford CH, Yanik EL, Bridwell KH.  
SPINE. 44(21):1499-1506, November 1, 2019

Schwab JH, Shah AA.  


14. Weekly Teriparatide Versus Bisphosphonate for Bone Union During 6 Months After Multi-Level Lumbar Interbody Fusion for Osteoporotic Patients: A Multicenter, Prospective, Randomized Study.  

16. **Patient Reported Outcomes in Metastatic Spine Disease: Concurrent Validity of PROMIS with the Spine Oncology Study Group Outcome Questionnaire.**  
Richardson MA, Bernstein DN, Kulp A, Mesfin A.  

17. **Demographic, clinical, and operative risk factors associated with postoperative adjacent segment disease in patients undergoing lumbar spine fusions: a systematic review and meta-analysis.**  

18. **Comparison of Decompression, Decompression Plus Fusion, and Decompression Plus Stabilization for Degenerative Spondylolisthesis: A Prospective, Randomized Study.**  

19. **Effect of overcorrection on proximal junctional kyphosis in adult spinal deformity: analysis by age-adjusted ideal sagittal alignment.**  
Byun CW, Cho JH, Lee CS, Lee DH, Hwang CJ.  

20. **Oral Is as Effective as Intravenous Tranexamic Acid at Reducing Blood Loss in Thoracolumbar Spinal Fusions: A Prospective Randomized Trial.**  
Yu CC, Fidai M, Washington T, Bartol S, Graziano G.  
Surgery of the Hand

1. **Outcomes and Direct Costs of Needle Aponeurotomy, Collagenase Injection, and Fasciectomy in the Treatment of Dupuytren Contracture.**

2. **Risk of Infection in Trigger Finger Release Surgery Following Corticosteroid Injection.**
   Matzon J, Lebowitz C, Graham J, Lucenti L, Lutsky K., Beredjiklian P.
   J Hand Surg Am. 2020 Apr;45(4):310-316.

3. **Pyogenic Flexor Tenosynovitis: Evaluation and Treatment Strategies.**
   Chapman T, Ilyas A.

4. **Distal Radius Malunion.**
   Katt B, Seigerman D, Lutsky K, Beredjiklian P.
   J Hand Surg Am. 2020 May;45(5):433-442.

5. **Cubital Tunnel Syndrome: Current Concepts.**
   Staples J, Calfee R.

6. **Platelet-rich Plasma or Autologous Blood Do Not Reduce Pain or Improve Function in Patients with Lateral Epicondylitis: A Randomized Controlled Trial.**
   Linnanmaki L, Kanto K, Karjalainen T, Leppanen OV, Lehtinen J.

7. **Dorsal Bridge Plate for Distal Radius Fractures: A Systematic Review.**
   Fares A, Childs B, Polmear M, Clark D, Nesti L, Dunn J.

8. **Volar Locking Plate Fixation Versus Closed Reduction for Distal Radial Fractures in Adults: A Systematic Review and Meta-Analysis.**
   Lawson A, Na M, Naylor J, Lewin A, Harris I.

9. **When Is It Safe to Operate After Therapeutic Carpal Tunnel Injections?**
   Fakunle O, Farley K, DeMaio E, Gottschalk M, Wagner E, Daly C.
   Hand (N Y). 2021 Jun 9;15589447211017229.
10. A Prospective Randomized Trial Comparing the Functional Results of Buddy Taping Versus Closed Reduction and Cast Immobilization in Patients With Fifth Metacarpal Neck Fractures. 
   Martinez-Catalan A, Pajares S, Llanos L, Mahillo I, Calvo E. 
   J Hand Surg Am. 2020 Dec;45(12):1134-1140.

11. Impact of Patient and Tumor Characteristics on Range of Motion and Recurrence Following Treatment of Enchondromas of the Hand. 
   Wessel LE, Christ AB, Athanasian EA. 
   J Hand Surg January 2021

   Renfree KJ, Scott KL, Polveroni TM, Mead-Harvey C, Vikram HR. 
   J Hand Surg May 28, 2022

   Hresko AM, Got CJ, Gil JA. 

   Shapiro LM, Kamal RN; Management of Distal Radius Fractures Work Group; Nonvoting Clinical Contributor; Nonvoting Oversight Chairs; Staff of the American Academy of Orthopaedic Surgeons and the American Society for Surgery of the Hand. 
   J Hand Surg Am. 2021 Sep;46(9):807-811.

15. Diagnosis and Management of Acute Scaphoid Fractures. 
   Sabbagh MD, Morsy M, Moran SL. 

16. The Use of Preoperative Antibiotics in Elective Soft Tissue Procedures of the Hand 
   Shapiro LM, Zhuang T, Li K, Kamal RN 
   JBJS Rev. August 2019

17. The Lumbricals Are Not the Workhorse of Digital Extension and Do Not Relax Their Own Antagonist. 
   Crowley JS, Meunier M, Lieber RL, Abrams RA. 

18. Functional Recovery Following Trapeziectomy and Ligament Reconstruction and Tendon Interposition: A Prospective Longitudinal Study. 
   Janakiramanan N, Miles O, Collon S, Crammond B, McCombe D, Tham SK. 
   J Hand Surg 46(11), 2021.
19. **Long Term Outcome of Electrodiagnostic Values and Symptom Improvement After Carpal Tunnel Release: A Retrospective Cohort Study.**
   Dagtas MZ, Unal OK.

20. **Optimizing Volar Tilt Restoration and Plate Position in Distal Radius Fractures.**
    Sochol KM, Gluck M, McGough J, Hausman M.